PREPIT SIGNAL DETECOR AND DETECTING METHOD

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Inventor:

EGUCHI HIDEJI

Applicant:

VICTOR COMPANY OF JAPAN

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Application numbers

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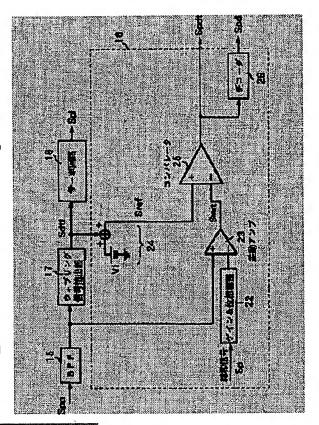
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Abstract of JP2002074675

PROBLEM TO BE SOLVED: To prevent the generation of such a case that the noise component is erroneously detected as a prepit detecting signal in the conventional practice when the data in the process of recording or the already recorded data are reproduced, since the recorded data signal component is contained in a wobbling signal as noise. SOLUTION: By a gain and phase adjusting circuit 22, the gain is adjusted so as to become the level same as that of the recording data component mixing into the wobbling signal with respect to a summing signal Sp and the delay time is adjusted so that the phases are also coincident. A push-pull signal Spp, the high frequency component which is removed by a BPF 15, and the output summing signal Sp of the gain and phase adjusting circuit 22 are subtracted by a differential amplifier 23 to output a signal Smit from which the recorded data of the push-pull signal Spp is removed. The level of output signal Smit of the differential amplifier 23 is compared with the levels of the reference signal Sref by a comparator 25, then the prepit detecting signal Spdt is outputted.



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